Attorney Docket No.: 5259-000045

ABSTRACT

An information coding apparatus, an information decoding apparatus, and a method and a program therefor are provided, which can represent a large amount of information with a small number of pixels. Information bits which are inputted are coded as a block of a two-dimensional image made up from m (where m is a natural number) x n (where n is a natural number) pixels. Specifically, pixels which represent the information bits are arranged in a code area, which is an area of (m - o) x (n - p) pixels within a code block of m x n pixels (where o and p are natural numbers which satisfy 0<o<m and 0<p<n); and, no pixels which represent the information bits are arranged in a guide area, which is an area of the other pixels within the code block of m x n pixels.

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